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BYTE STREAM



COMPUTER SCIENCE AND ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY (ISM)
DHANBAD

MONTHLY
NEWSLETTER

An Insight into the
Department of Computer
Science and Engineering,
IIT (ISM)



The art challenges the
technology, and the
technology inspires the art.

— John Laster

Welcoming Dr. Priyanka Panigrahi

The Department of Computer Science and Engineering at IIT (ISM) Dhanbad is pleased to announce that Dr. Priyanka Panigrahi officially joined the faculty as its newest Assistant Professor on May 29th.

Dr. Panigrahi arrives at IIT (ISM) Dhanbad with a distinguished academic record. She earned her Ph.D. from IIT Guwahati and most recently served as a faculty member at NIT Trichy. A recipient of the highly competitive Qualcomm Innovation Fellowship India, her core research specializes in high-impact domains like compiler security, digital circuit optimization, and hardware/software co-design.

The Computer Science and Engineering Department, extends a cordial welcome to Dr. Panigrahi. The department looks forward to a successful and impactful association in the years to come.



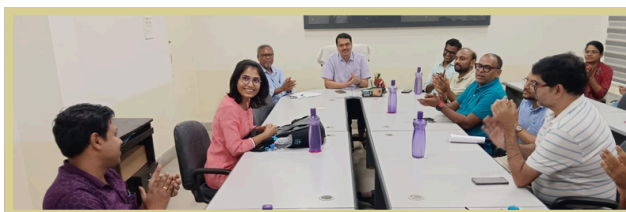
Welcoming Our New Faculty Member: Dr. Debasree Das

The Department of Computer Science and Engineering is delighted to welcome Dr. Debasree Das, who joined us as an Assistant Professor (Grade II) on May 11, 2026.

Dr. Das brings to the department a wealth of expertise in ubiquitous sensing, Mobility Data Analytics, Intelligent Transportation Systems, and privacy in Pervasive computing.

She earned her Ph.D. from IIT Kharagpur in 2024 and recently completed a two-year postdoctoral fellowship at the University of Bamberg, Germany. Her cutting-edge research has already gained nearly outstanding recognition, including a recent Best Work-in-Progress Paper Award at IEEE PerCom 2026.

Dr. Das was an exceptional academic achiever, she was the institute silver medalist during her Master's program at IIST Shibpur. Outside of her technical and research pursuits, she is an avid painter who loves exploring arts and crafts.



We extend a hearty welcome to Dr. Das. We are incredibly excited to see her inspire and elevate our department's research initiatives.

Welcoming Dr. Ashwini Kumar Nanda

The Department of Computer Science and Engineering warmly welcomes Prof. Ashwini Kumar Nanda as an Adjunct Professor. An interaction session regarding his joining the department was held on 19 May 2026.

Prof. Nanda is currently an Adjunct Professor in the CSE Department of IIT (ISM) Dhanbad. IIT (ISM) Dhanbad has been a familiar place for him for about a year now. Upon invitation from Director, Deputy Director, Dean Faculty Affairs, HoD CSE and other faculty members, he has made several visits, including the opportunity to be one of the keynote speakers during the Centenary celebrations in December 2025. He has also been associated as a visiting professor of Computer Science and Engineering at IIT Bhubaneswar.

Prof. Nanda is the Founding Center-Director of the AI and HPC Research Center (AHRC) where he has been leading the development of AI assisted applications in domains such as medicine, agriculture, governance, transportation, green energy, mining and others. His research interests include High Performance Computer Systems and Architecture as well as Applied AI. Prof. Nanda has been associated with organizations such as IBM, Computational Research Laboratory (CRL), Texas Instruments, Wipro Technologies, and C-DAC. At IBM TJ Watson Research Center, New York, he pioneered the concept of



heterogeneous supercomputing. The technology developed by him and his team enabled the world's first PetaFLOP supercomputer, Roadrunner, at Los Alamos National Laboratory in 2008. He also led the development of Eka, which was recognized as Asia's fastest supercomputer in 2007-2009.

During his recent visit as Adjunct Professor last month, he gained exposure to the depth and breadth of research activities in the CSE department as well as other departments. He also had the opportunity to meet most of the faculty members across departments, both in group and individual discussions. One key outcome of these interactions was the formation of a working group toward establishing an interdisciplinary Biomedical Engineering and Science Research Center at IIT (ISM) Dhanbad, with participation from faculty across departments and with the help of the Dean (R&D).

He also expressed his eagerness to interact with students from the CSE community as well as other departments and to contribute toward building Applied AI as a strong driver for future job growth.

The Computer Science and Engineering Department is pleased to have Prof. Ashwini Kumar Nanda as part of the department, contributing to academic and research excellence.

Yaadein'26: A Farewell to Remember

On 4th May, 2026, the Golden Jubilee Lecture Theatre witnessed a wave of nostalgia, appreciation, and celebration from students and professors alike as the Computer Science and Engineering Society (CSSES) organised Yaadein '26, a farewell celebration for the graduating batch.

The festivities began even before the final meetup at GJLT with a series of engaging pre-events. Students participated enthusiastically in the Badminton Tournament against their peers and professors while also enjoying a tasty snack in the Fruit Salad Fiesta. Department-wide voting decided various fun titles such as Insta Queen, Coding God, The Supplier, and many more. These activities set the mood for the main celebration.

The formal program began with a welcome address by the Joint Secretary of CSSES, Mr. Aravind Dwibhashyam. The evening featured a range of cultural performances by the graduating students, displaying the department's creative talents. Interactive games like Balloon Burst and ISM Feud kept the audience entertained throughout the program.



A special prize distribution ceremony took place, recognising the winners of the pre-events. One of the highlights was the final round of ISM Feud, where the finalists shared their journeys, experiences, and memories in the department. The winners: Mr. Pratham Aggarwal and Ms. Ishika Hoondlani received the titles of Mr. and Ms. Yaadein 2026, respectively.

Heartfelt addresses by former CSSES Secretary Mr. Karthik Mohan and former Joint Secretary Mr. Ram Krishna added an emotional element to the event. They shared their experiences and offered their best wishes to the graduating class and the society. Certificates of Appreciation were presented to the coordinators and co-coordinators of various CSSES divisions in recognition of their contributions to society.



The event concluded with a vote of thanks by Prof. Partha Pratim Roy, followed by a grand dinner at the dome. The department also expressed gratitude to the organising team, volunteers, and all contributors who made Yaadein '26 a memorable farewell for the graduating class.



Publications

Title: Pebble Guided Rendezvous Despite Fault

Authors: Ashish Saxena, Barun Gorain, Subhrangsu Mandal, Kaushik Monda

Accepted at: Theoretical Computer Science, Elsevier, Volume 1081, Pages 116073, 2026

PhDs submitted in the month of May 2026

Applicant	Supervisor	Thesis Title
Pramod Kumar	Prof. Arup Kumar Pal	DESIGN AND ANALYSIS OF AUTHENTICATION BASED DATA SECURITY PROTOCOLS FOR SECURING VIDEO SURVEILLANCE SYSTEMS

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